

## INDEX OF VOLUME VIII

- Amitsur, S. A. Radicals of polynomial rings, 355
- Banaschewski, B. Local connectedness of extension spaces, 395
- Barnes, E. S. The covering of space by spheres, 293
- Beesack, P. R. and Schwarz, B. On the zeros of solutions of second-order linear differential equations, 504
- Bellman, R. On a quasi-linear equation, 198
- Carlitz, L. Resolvents of certain linear groups in a finite field, 568
- Curtis, C. W. On commuting rings of endomorphisms, 271
- de Groot, J. Orthogonal isomorphic representations of free groups, 256
- Derry, D. Convex hulls of simple space curves, 383
- Diaz, J. B. and Ludford, G. S. S. On a theorem of Le Roux, 82
- Drazin, M. P. Algebraic and diagonalizable rings, 341
- Duff, G. F. D. Uniqueness in boundary value problems for the second order hyperbolic equation, 86  
 —Modified boundary value problems for a quasi-linear elliptic equation, 203
- Dulmage, A. L. and Peck, J. E. L. Certain infinite zero-sum two-person games, 412
- Dye, H. A. and Phillips, R. S. Groups of positive operators, 462
- Edge, W. L. Conics and orthogonal projectivities in a finite plane, 362
- Ellis, H. W. On the basis problem for vector valued function spaces, 417
- Ericksen, J. L. and Toupin, R. A. Implications of Hadamard's conditions for elastic stability with respect to uniqueness theorems, 432
- Ford, L. R., Jr. and Fulkerson, D. R. Maximal flow through a network, 399
- Fox, G. E. See LeBlanc and Fox
- Fulkerson, D. R. See Ford and Fulkerson
- Gilbert, E. N. Enumeration of labelled graphs, 405
- Goffman, C. and Petersen, G. M. Submethods of regular matrix summability methods, 40
- Gonshor, H. Spectral theory for a class of non-normal operators, 449
- Groot, J. de. See de Groot
- Handset, F. Constructions in hyperbolic geometry, 389
- Hartman, P. and Wintner, A. On disconjugate differential systems, 72
- Hull, T. E. Some algebraic properties of asymptotic power series, 220
- Jenkins, J. A. On explicit bounds in Landau's theorem, 423
- Jones, B. W. and Watson, G. L. On indefinite ternary quadratic forms, 592
- Jurkat, W. B. An extension problem for functions with monotonic derivatives, 184
- Kazarinoff, N. D. and McKelvey, R. Asymptotic solution of differential equations in a domain containing a regular singular point, 97
- Kleinfeld, E. Standard and accessible rings, 335
- Kobayashi, S. On connections of Cartan, 145
- Kokoris, L. A. On a class of almost alternative algebras, 250
- Lane, N. D. and Sherk, F. A. Differentiable points of arcs in conformal 3-space, 105
- LeBlanc, L. and Fox, G. E. On the extension of measure by the method of Borel, 516
- Ludford, G. S. S. See Diaz and Ludford
- Marcus, M. and McGregor, J. L. Extremal properties of Hermitian matrices, 524
- Martin, A. D. A regular singular functional, 53
- McArthur, C. W. On relationships amongst certain spaces of sequences in an arbitrary Banach space, 192

- McGregor, J. L. See Marcus and McGregor  
 McKelvey, R. See Kazarinoff and McKelvey  
 Mendelsohn, N. S. *The asymptotic series for a certain class of permutation problems*, 234  
 ——— *Non-Desarguesian projective plane geometries which satisfy the harmonic point axiom*, 532  
 Miles, E. P., and Williams, E. *The Cauchy problem for linear partial differential equations with restricted boundary conditions*, 426  
 Mills, W. H. *Certain Diophantine equations linear in one unknown*, 5  
 Moser, L. See Wyman and Moser  
 Moser, L. and Wyman, M. *Asymptotic expansions*, 225  
 Newman, M. *The normalizer of certain modular subgroups*, 29  
 Ostrom, T. G. *Double transitivity in finite projective planes*, 563  
 Peck, J. E. L. See Dulmage and Peck  
 Petersen, G. M. See Goffman and Petersen  
 Phillips, R. S. See Dye and Phillips  
 Porcelli, P. *Note on a Stieltjes type of inversion*, 447  
 Rauch, H. E. *Harmonic and analytic functions of several variables and the maximal theorem of Hardy and Littlewood*, 171  
 Reiner, I. *Maschke modules over Dedekind rings*, 329  
 Rooney, P. G. *On an inversion formula for the Laplace transformation*, II, 49  
 Rund, H. *Hypersurfaces of a Finsler space*, 487  
 Ryser, H. J. *Maximal determinants in combinatorial investigations*, 245  
 Schuster, S. *Pencils of polarities in projective space*, 119  
 Schwarz, B. See Beesack and Schwarz  
 Shapiro, J. M. *A condition for existence of moments of infinitely divisible distributions*, 69  
 Sherk, F. A. See Lane and Sherk  
 Smith, K. T. *A generalization of an inequality of Hardy and Littlewood*, 157  
 Steinberg, R. *Prime power representations of finite linear groups*, 580  
 Sumner, D. B. *A generalized averaging operator*, 437  
 Thron, W. J. *Entire solutions of the functional equation  $f(f(z)) = g(z)$* , 47  
 Tobin, S. *On a theorem of Baer and Higman*, 263  
 Touchard, J. *Nombres exponentiels et nombres de Bernoulli*, 305  
 Toupin, R. A. See Ericksen and Toupin  
 Tutte, W. T. *A class of Abelian groups*, 13  
 Watson, G. L. See Jones and Watson  
 Wiegmann, N. A. *On unitary and symmetric matrices with real quaternion elements*, 32  
 Williams, E. See Miles and Williams  
 Wintner, A. See Hartman and Wintner  
 Wyman, M. See Moser and Wyman  
 Wyman, M. and Moser, L. *On some polynomials of Touchard*, 321  
 Yaqub, A. *On the theory of ring-logics*, 323  
 Yoshida, M. *On polynomial extensions of rings*, 1  
 ——— *A theorem on Zariski rings*, 3

